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that such a petition has been inadvertently overlooked and is required. As provided below, charge Deposit Account **04-1105** for any required fee.

Please amend the subject application as follows:

IN THE CLAIMS

Please **amend** claims 4 and 8 as shown in the Status of the Claims, *infra*.

Deletions are struck through and additions are underlined.

STATUS OF THE CLAIMS

Claims 1-3 (original)

1. A liquid crystal display device, comprising: a liquid crystal layer; a pair of substrates provided so as to interpose the liquid crystal layer therebetween; and a plurality of pixels arranged in a matrix pattern, wherein:

the liquid crystal layer has a helical structure and exhibits at least two stable states including a planar state and a focal conic state according to an applied voltage; and

in each of the plurality of pixels, a thickness d of the liquid crystal layer has at least two different values, and the liquid crystal layer includes at least two regions having different values of a first threshold voltage for transitioning the liquid crystal layer from the planar state to the focal conic state.

2. The liquid crystal display device of claim 1, wherein the thickness d of the liquid crystal layer satisfies a relationship of $1 < d/P < 15$ with a helical pitch P of the helical structure.

3. The liquid crystal display device of claim 1, wherein the thickness d of the liquid crystal layer is defined so that V_{thFmax} is less than V_{thHmin} in each of the plurality of pixels, where V_{thFmax} denotes the first threshold voltage for transitioning the liquid crystal layer included in a region with a largest thickness d of the liquid crystal layer from the planar state to the focal conic state, and V_{thHmin} denotes a second threshold voltage for transitioning the liquid crystal layer included in a region with a smallest thickness d of the liquid crystal layer from the focal conic state to a homeotropic state.

Claim 4 (currently amended)

4. (Amended) The liquid crystal display device of claim 1, wherein a value of the thickness d of the liquid crystal layer changes increasingly in a stepped

~~fashioned~~ discontinuously across each of the plurality of pixels.

Claims 5-7 (original)

5. The liquid crystal display device of claim 4, wherein a difference Δd between the at least two different values of the thickness d of the liquid crystal layer satisfies a relationship of $0.5P \leq \Delta d$ with the helical pitch P of the helical structure.

6. The liquid crystal display device of claim 1, wherein a value of the thickness d of the liquid crystal layer changes continuously across each of the plurality of pixels.

7. The liquid crystal display device of claim 1, further comprising a pair of alignment layers provided respectively on the pair of substrates on one side thereof that is closer to the liquid crystal layer, wherein one of the pair of alignment layers is a horizontal alignment layer, and the other one of the pair of alignment layers is a vertical alignment layer.

Claim 8 (currently amended)

8. (Amended) The liquid crystal display device of claim 1, wherein at least one of the pair of substrates includes a concave/convex surface on one side thereof that is closer to the liquid crystal layer than the other side.

Claim 9 (original)

9. The liquid crystal display device of claim 1, wherein the pair of substrates both include a concave/convex surface on one side thereof that is closer to the liquid crystal layer.